Special Issue

Commutative Ring Theory, Commutative Rings and Symmetry

Message from the Guest Editor

Quantum mechanics methods provide solutions of some classical problems of noncommutative algebra and algebraic geometry. For example, an equivalence between famous Jacobian and Dixmier conjectures was established via an anti-quantization procedure, with infinitely large primes playing the role of a plank constant. The Kontsevich conjecture about canonical isomorphism between symmetry groups: ploynomial symplectoauthomorphisms and authomorphsisms of Weil algebra depicts the equivariance of quantization procedure.

This view point provides relation between quantization and symmetry is certainly one of many, the variety of which can provide some fruitful discussion.

Guest Editor

Prof. Dr. Alexei Kanel-Belov

Department of Mathematics, Bar-Ilan University, Ramat Gan 5290002, Israel

Deadline for manuscript submissions

closed (31 March 2021)

Symmetry

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 5.3

mdpi.com/si/27235

Symmetry
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
symmetry@mdpi.com

mdpi.com/journal/symmetry

Symmetry

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 5.3

mdpi.com/journal/symmetry

About the Journal

Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

Editor-in-Chief

Prof. Dr. Sergei Odintsov
1. ICREA, 08010 Barcelona, Spain
2. Institute of Space Sciences (IEEC-CSIC), C. Can Magrans s/n, 08193 Barcelona, Spain

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within SCIE (Web of Science), Scopus, CAPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Multidisciplinary Sciences) / CiteScore - Q1 (General Mathematics)

MDPI